ABSTRACT

It consists of a steel product containing C by at least 0.6 % and not more than 1.3 %, Si by at least 0.3 % and not more than 3.0 %, Mn by at least 0.2 % and not more than 1.5 %, P by not more than 0.03 %, S by not more than 0.03 %, Cr by at least 0.3 % and not more than 5.0 %, Ni by at least 0.1 % and not more than 3.0 %, Al by not more than 0.050 %, Ti by not more than 0.003 %, O by not more than 0.0015 % and N by not more than 0.015% in mass % as the contents of alloying elements of an antifriction bearing part for a high temperature with the rest consisting of Fe and unavoidable impurities and has a structure subjected to tempering after quench hardening or carbonitriding, while temper hardness is at least HRC 58 and the maximum carbide size is not more than 8 μm. Thus, an antifriction bearing part for a high temperature which has an excellent rolling contact fatigue life also under environment contaminated with foreign matter and under high-temperature environment and is low-priced as compared with the prior art is obtained.